In the Claims

Claims 1-14 (Cancelled)

15.   (Currently Amended) A method for storing data relating to a connection through a routing system in a checkpoint server comprising:

receiving connection information for a connection from a module in a routing system wherein said connection information is information needed by a module to support said connection;

determining a connection identifier for said connection responsive to receiving said connection information;

embedding said connection identifier into said connection information; and

storing said connection information with said connection identifier into a space in said memory.

16.   (Previously Presented) The method of claim 15 further comprising:

detecting a new connection; and

generating a new connection identifier responsive to detecting said new connection.

17.   (Previously Presented) The method of claim 16 wherein said step of generating said new connection identifier comprises combining a source address and a destination address of said new connection.

18.   (Previously Presented) The method of claim 15 further comprising:

receiving a request for data for said connection from a firewall application;

determining said connection identifier for said connection; and

retrieving all data stored in said memory that includes said connection identifier.

19.   (Currently Amended) A checkpoint server for storing data for a connection comprising:

circuitry configured to receive connection information for a connection from a module in a routing system wherein said connection information is information needed by a module to support said connection;

circuitry configured to determine a connection identifier for said connection responsive to receiving said connection information;

circuitry configured to embed said connection identifier into said connection information; and

circuitry configured to store said connection information with said connection identifier into a space in said memory.

20.   (Previously Presented) The server of claim 19 further comprising:

circuitry configured to detect a new connection; and

circuitry configured to generate a new connection identifier responsive to detecting said new connection.

21.   (Previously Presented) The server of claim 20 wherein said means of generating said new connection identifier comprises circuitry configured to combine a source address and a destination address of said new connection.

22.   (Previously Presented) The server of claim 18 further comprising:

circuitry configured to receive a request for data for said connection from a firewall application;

circuitry configured to determine said connection identifier for said connection; and

circuitry configured to retrieve all data stored in said memory that includes said connection identifier.

23.   (Currently Amended) An apparatus for storing connection information for a connection for a routing system comprising:

means for receiving connection information for a connection from a module in a routing system wherein said connection information is information needed by a module to support said connection;

means for determining a connection identifier for said connection responsive to receiving said connection information ;

means for embedding said connection identifier into said connection information; and

means for storing said connection information with said connection identifier into a space in said memory.

24. (Previously Presented) The apparatus of claim 23 further comprising:

means for detecting a new connection; and

means for generating a new connection identifier responsive to detecting said new connection.

25. (Previously Presented) The apparatus of claim 24 wherein said means for generating said new connection identifier comprises means for combining a source address and a destination address of said new connection.

26. (Previously Presented) The apparatus of claim 23 further comprising:

means for receiving a request for data for said connection from a firewall application;

means for determining said connection identifier for said connection; and

means for retrieving all data stored in said memory that includes said connection identifier.